Claims

- 1. A process for manufacturing spherical pellets comprising
- (a) a water-soluble active ingredient which is soluble, freely soluble or very soluble in water and preferably having a water-solubility of ≥ 0.5 g/ml;
- (b) a spheronizing agent;
- (c) a dry lubricant,
 said method comprising preparing a mixture of the active ingredient, the
 spheronising agent, the dry lubricant; and an amount of water which is less than
 5%, w/w relative to the total weight of the mixture; extruding said mixture to
 obtain an extrudate; and spheronising the extrudate to form spherical pellets.
 - 2. A process according to claim 1 wherein the pellets are subsequently coated with a suitable coating.

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- 3. A spherical pellet comprising
- (a) a water-soluble active ingredient which is soluble, freely soluble or very soluble in water and preferably having a water-solubility of ≥ 0.5 g/ml;
- (b) a spheronizing agent;
- 20 (c) a dry lubricant.
 - 4. A spherical pellet according to claim 3 comprising
 - (a) from 0.1 to about 50% of a water-soluble active ingredient which is soluble, freely soluble or very soluble in water and preferably having a water-solubility of
- 25 \geq 0.5 g/ml;
 - (b) from about 25% to about 90% of a spheronizing agent;
 - (c) from about 2% to about 50% of a dry lubricant.
 - 5. A spherical pellet according to claim 3 comprising
- 30 (a) from about 1% to about 40% of a water-soluble active ingredient which is soluble, freely soluble or very soluble in water and preferably having a water-solubility of ≥ 0.5 g/ml;

- (b) from about 20% to about 70% of a spheronizing agent;
- (c) from about 10% to about 35% of a dry lubricant.
- 6. A spherical pellet according to claim 3 comprising
- 5 (a) from about 1% to about 50% of tramadol or a pharmaceutically acceptable acid-addition salt thereof, in particular tramadol hydrochloride;
 - (b) from about 15% to about 90% of micro-crystalline cellulose;
 - (c) from about 10% to about 35% of a glyceryl fatty ester, in particular a C_{22-26} fatty acid mono-, di- or triglycerides mixture.

7. A spherical pellet according to any of claims 3 - 6 wherein the pellet has a low water content.

- 8. A spherical pellet according to any of claims 3 7, wherein the active
 ingredient in the pellets is tramadol, or a pharmaceutically acceptable acid addition salt thereof.
 - 9. A spherical pellet according to any of claims 3 8 that is coated.
- 20 10. A pharmaceutical dosage form containing spherical pellets or coated spherical pellets as claimed in any of claims 3 9.
 - 11. A dosage form according to claim 10, which is a capsule filled with pellets or coated pellets as claimed in any of claims 3 9.
 - 12. A process for manufacturing a pharmaceutical dosage form as claimed in claim 11 or 12, said method comprising filling the pellets into a suitable container, or in particular into a capsule.

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